

| Form PT | | ATTY DOCKET NO. APPLICATION NO. New | | | | | | | |
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| II. | NFORMATION DISCLOSURE (| CACATION A | APPLICANT SUIGIURA, Hiro | aki e | t al. | | | | |
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| | 6,125,202 | 2000-09-26 | Kagawa et al. | | | <u> </u> | ROPRIATE | | |
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| | B2-63-39188 | 1988-08-03 | JP | | | abs | NO NO | | |
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| OTHER journal, seri | DOCUMENTS (Include Name of the authoral, symposium, catalog, etc.) date, page(s), vol | r (in CAPITAL LETTERS), ti ume-issue number(s), publi | tle of the article (when appropr isher, city and/or country where | iate), titl published. | e of the item | (book, ma | gazine, | | |
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Sheet 1 of 1 (5/17/02) ATTY DOCKET NO. 1190-0532P Form PTO-1449 APPLICATION NO. 09/994,761 INFORMATION DISCLOSURE CITATION APPLICANT SUGIURA, et al. IN AN APPLICATION (Use several sheets if necessary) FILING DATE GROUP November 28, 2001 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME FILING DATE . IF APPROPRIATE 4,989,079 1991-01-29 Ito 5,588,050 1996-12-24 Kagawa, et al. FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE CLASS COUNTRY SUB CLASS JP 7170404 1995-07-04 JAPAN ABS

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. EXAMINER DATE CONSIDERED

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Sheet 1 of 1

(12/16/02)

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Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

ATTY DOCKET NO. 1190-0532P APPLICATION NO. 09/994,761

APPLICANT

SUGIURA, Hiroaki et al

FILING DATE

November 28, 2001

GROUP 2622

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | Kind | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|------|-------------|----------------|-------|--------------|-------------------------------|
| | | | | | | | |
| | US 4,887,150 | B1 | 1989-12-12 | Chiba et al. | | | |
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| 1 | | NUMBER | ł I | | | ļ | | YES | МО |
| | EP | 1028586 | - A | 2000-08-16 | EP | | | | |
| | JP | 7-023245 | , | 1995-01-24 | JP | | | Abs | |
| | JP | ر 11-17974 | | 1999-01-22 | JP | | , | Abs | |
| | JP | 8-321964 | | 1996-12-03 | JP | | | Abs | |
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| | JP | 5-48885 、 | | 1993-02-26 | JP | | | Abs | |
| | JP | 63-227181 . | | 1988-09-21 | JP | | | Abs | |
| | JP | 2-30226 | | 1990-07-05 | JP | | - | | |

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

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Sheet 1 of 1 (9/20/04) ATTY. DOCKET NO. APPLICATION NO. Form PTO-1449 1190-0532P 09/994,761 APPLICANT INFORMATION DISCLOSURE CITATION Hiroaki SUGIURA et al. IN AN APPLICATION (Use several sheets if necessary) FILING DATE GROUP November 28, 2001 2622 U.S. PATENT DOCUMENTS FILING DATE IF APPROPRIATE DOCUMENT NUMBER Kind DATE NAME 1993-10-19 CAPITANT, et al. US 5,255,083 A US 5,349,452 MAEDA, et al. 1994-09-20 A NOBUTA US 5,751,449 A 1998-05-12 1999-03-09 TAKAOKA, et al. US 5,881,168 Α US US บร US US US FOREIGN PATENT DOCUMENTS CLASS TRANSLATION COUNTRY Kind DATE Office DOCUMENT NUMBER YES NО EUROPE X 0665680 A2 1995-08-02 EP 1999-12-01 EUROPE X 0961481 A2 EΡ OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. DATE CONSIDERED EXAMINER

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Sheet 1 of 1 (12/9/04)

Form PTO-1449

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Hiroaki SUGIURA et al.

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| IIS | 5.243.447 | | 1993-09-07 | Bodenkamp et al. | | <u> </u> | | |
| | | | 1999-08-17 | Dilliplane et al. | | | | |
| | | | 1999-11-16 | Inoue | | | | |
| | | B1 | 2002-07-16 | Han | | | | |
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| EP | 0 837 601 | A2 | 1998-04-22 | EUROPE | | | Х | |
| KR | 10-0244227 | Bl | 1999-11-22 | KOREA | | | | Abs |
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| | US US US US Office EP KR | NUMBER EP 0 837 601 KR 10-0244227 DOCUMENTS (Include Name) | DOCUMENT NUMBER Kind US 5,243,447 US 5,940,089 US 5,987,167 US 6,421,094 B1 FOR Office DOCUMENT Kind NUMBER EP 0 837 601 A2 KR 10-0244227 B1 DOCUMENTS (Include Name of the authority) | DOCUMENT NUMBER Kind DATE US 5,243,447 1993-09-07 US 5,940,089 1999-08-17 US 5,987,167 1999-11-16 US 6,421,094 B1 2002-07-16 FOREIGN PATENT Office DOCUMENT Kind DATE EP 0 837 601 A2 1998-04-22 KR 10-0244227 B1 1999-11-22 DOCUMENTS (Include Name of the author (in CAPITAL LETTERS). | US 5,243,447 1993-09-07 Bodenkamp et al. US 5,940,089 1999-08-17 Dilliplane et al. US 5,987,167 1999-11-16 Inoue US 6,421,094 B1 2002-07-16 Han FOREIGN PATENT DOCUMENTS Office DOCUMENT Kind DATE COUNTRY EP 0 837 601 A2 1998-04-22 EUROPE KR 10-0244227 B1 1999-11-22 KOREA DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropal, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where | DOCUMENT NUMBER Kind DATE NAME CLASS | DOCUMENT NUMBER Kind DATE NAME CLASS CLASS | DOCUMENT NUMBER Kind DATE NAME CAASS CAASS FFANT |